



Fig. 1

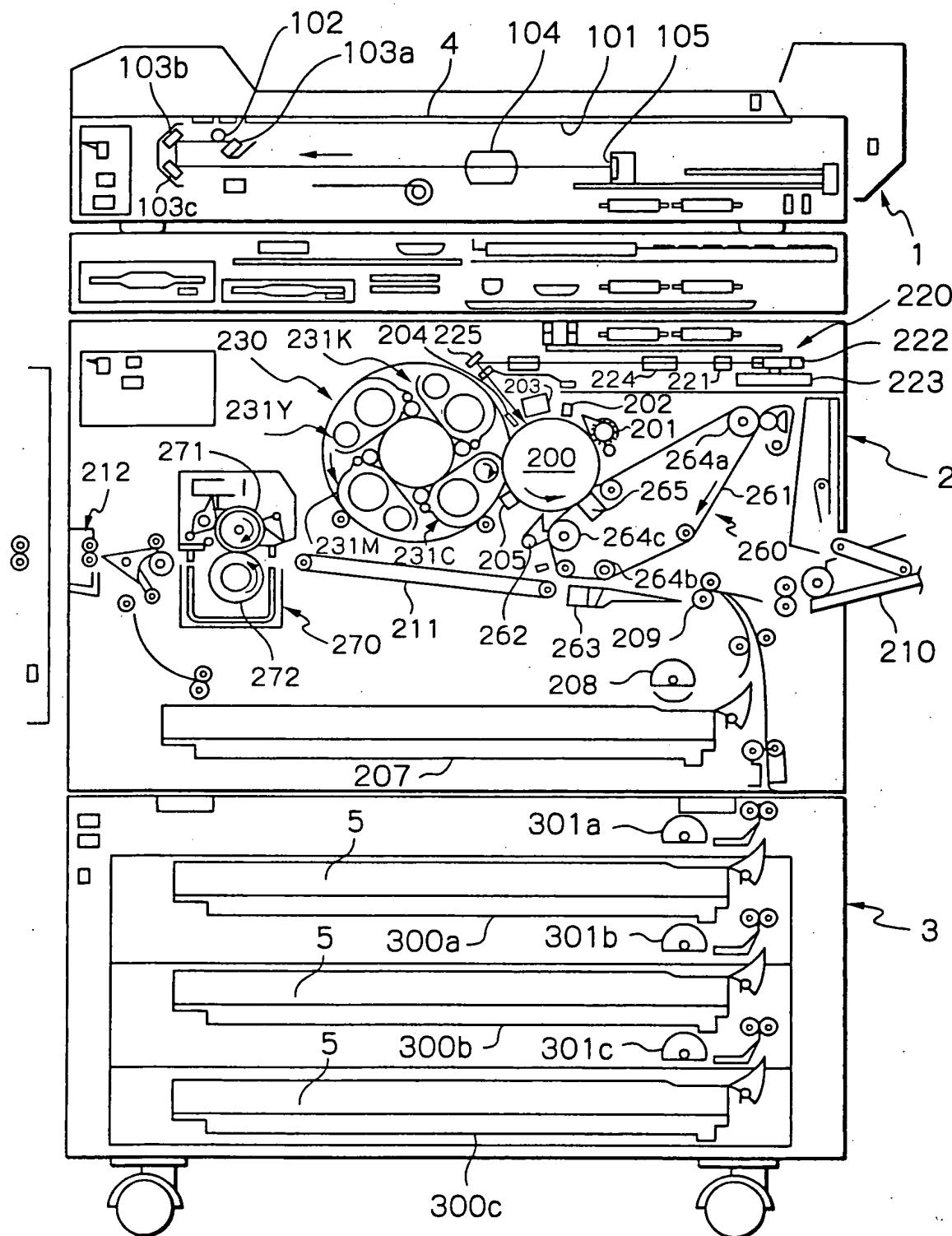
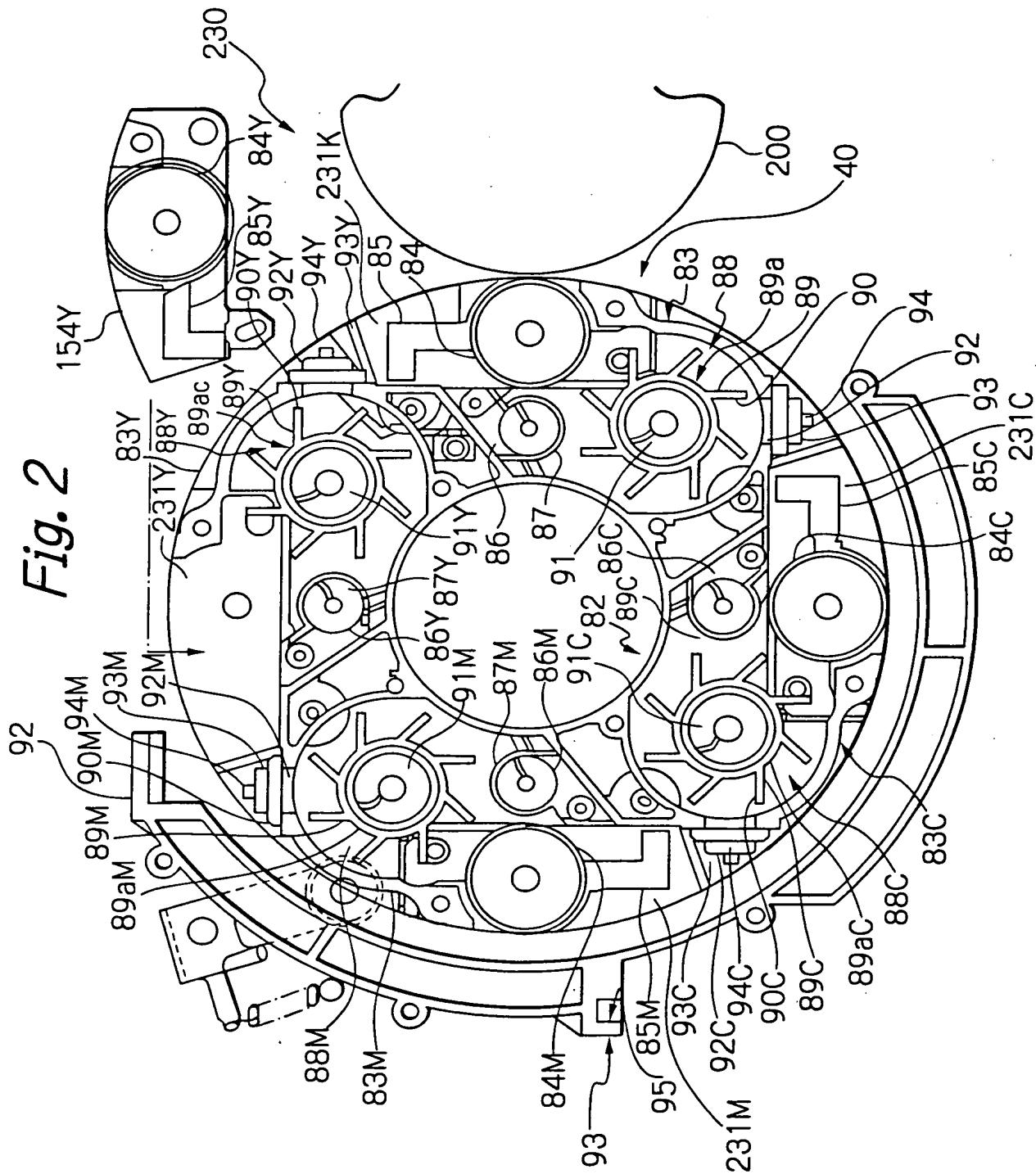




Fig. 2





*Fig. 3*

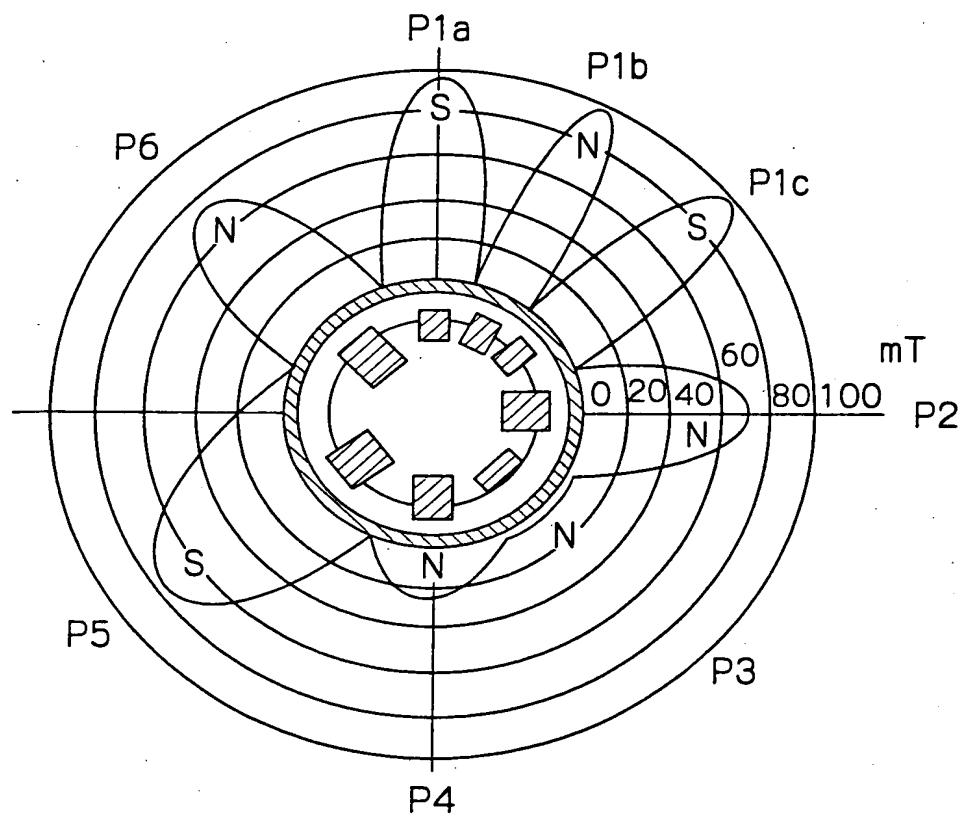
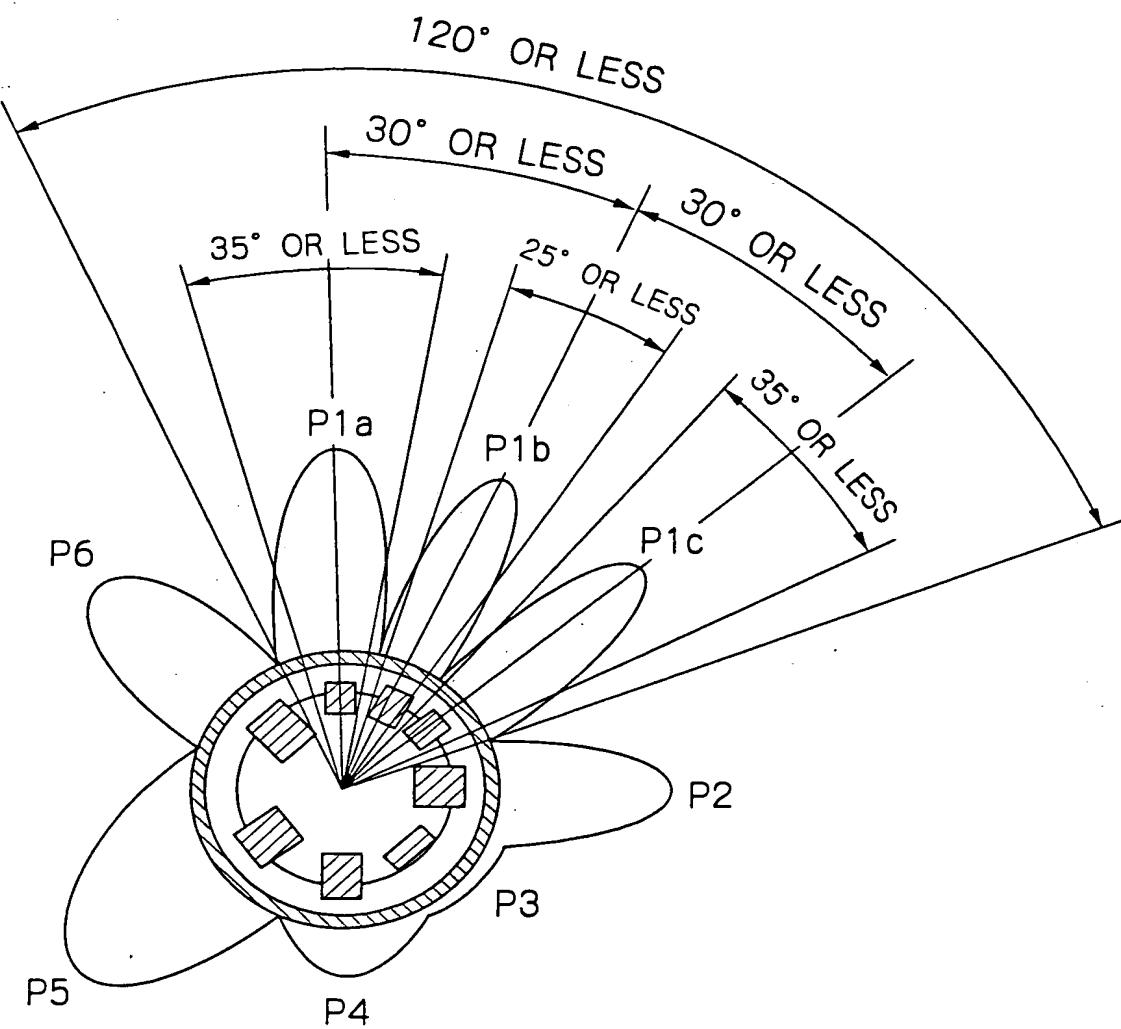




Fig. 4



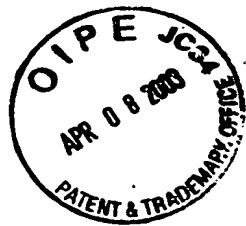
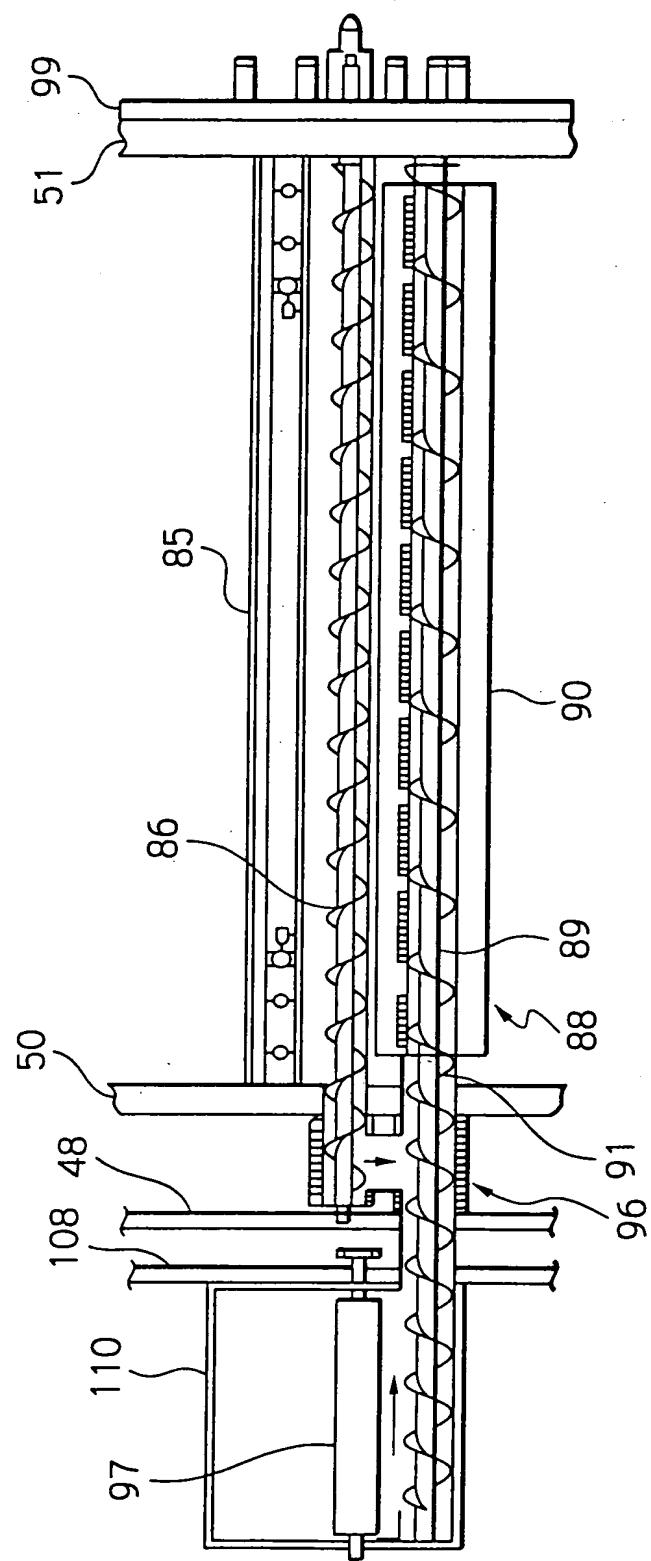


Fig. 5



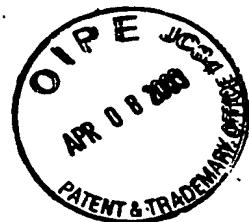


Fig. 6A

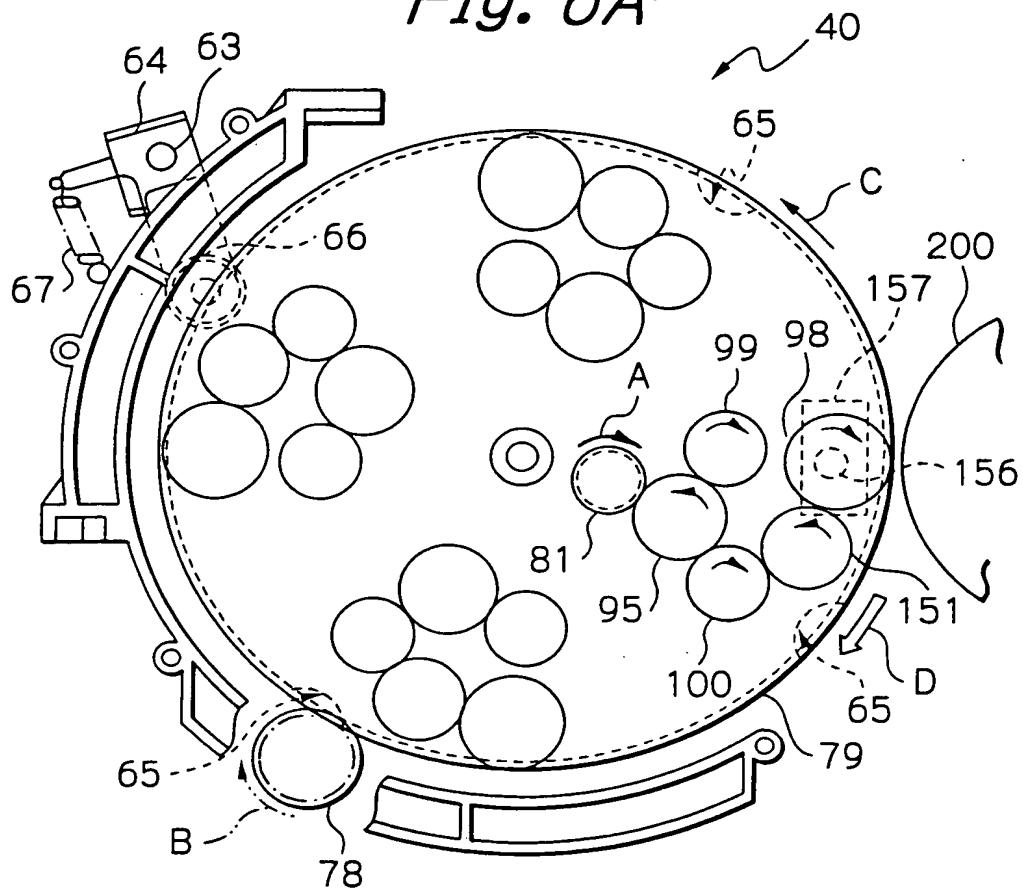


Fig. 6B

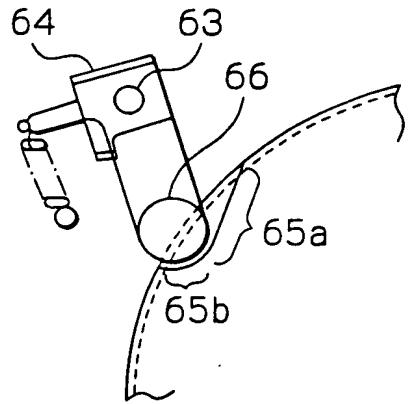
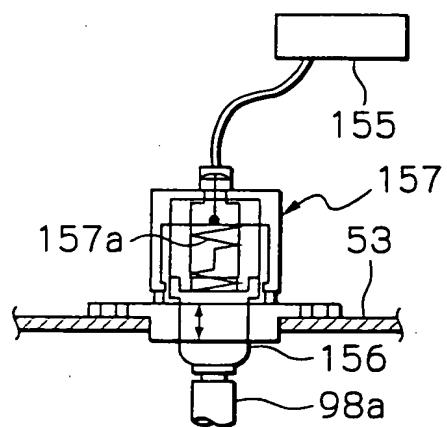
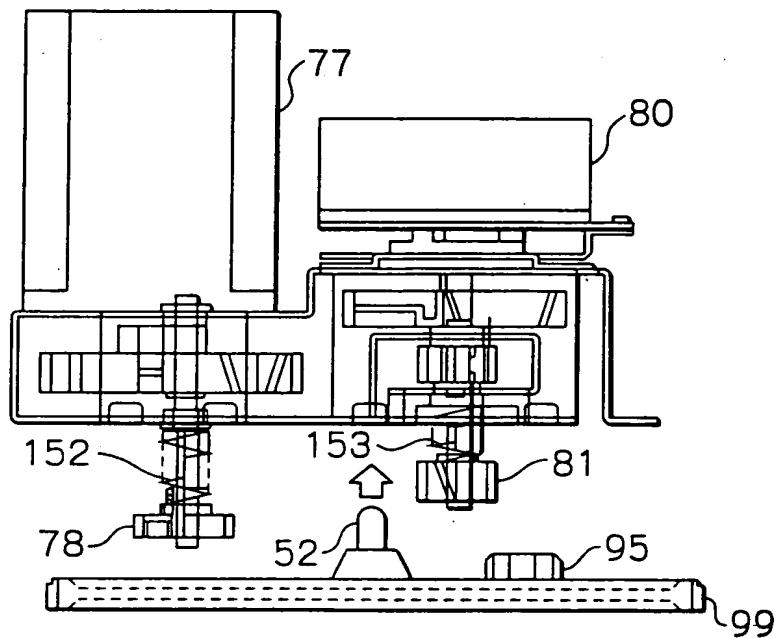


Fig. 6C





*Fig. 7A*



*Fig. 7B*

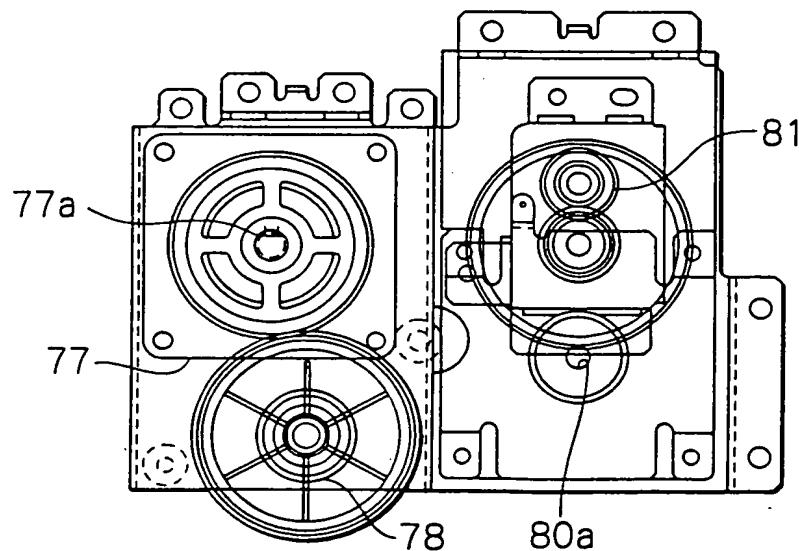


Fig. 8

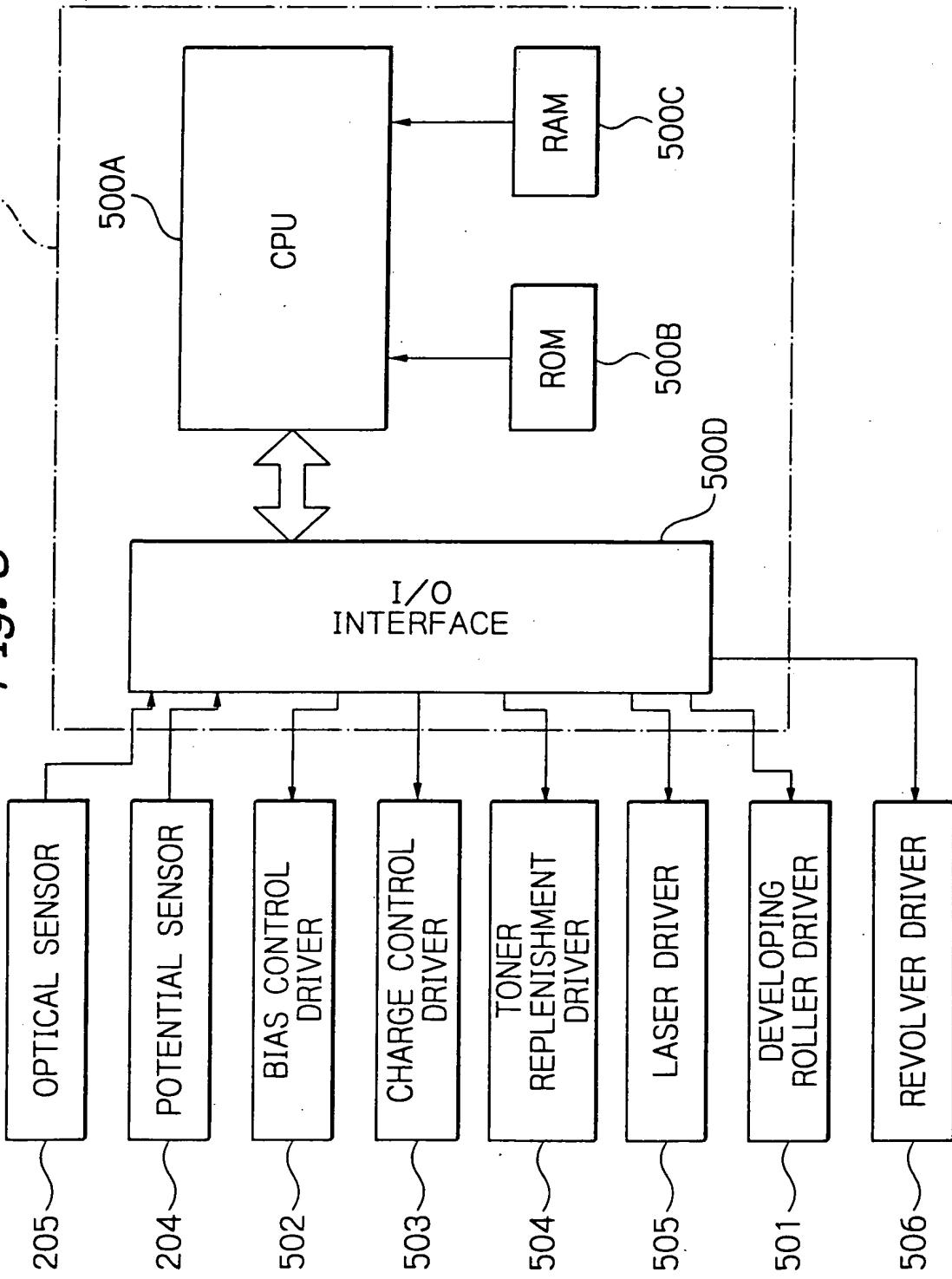
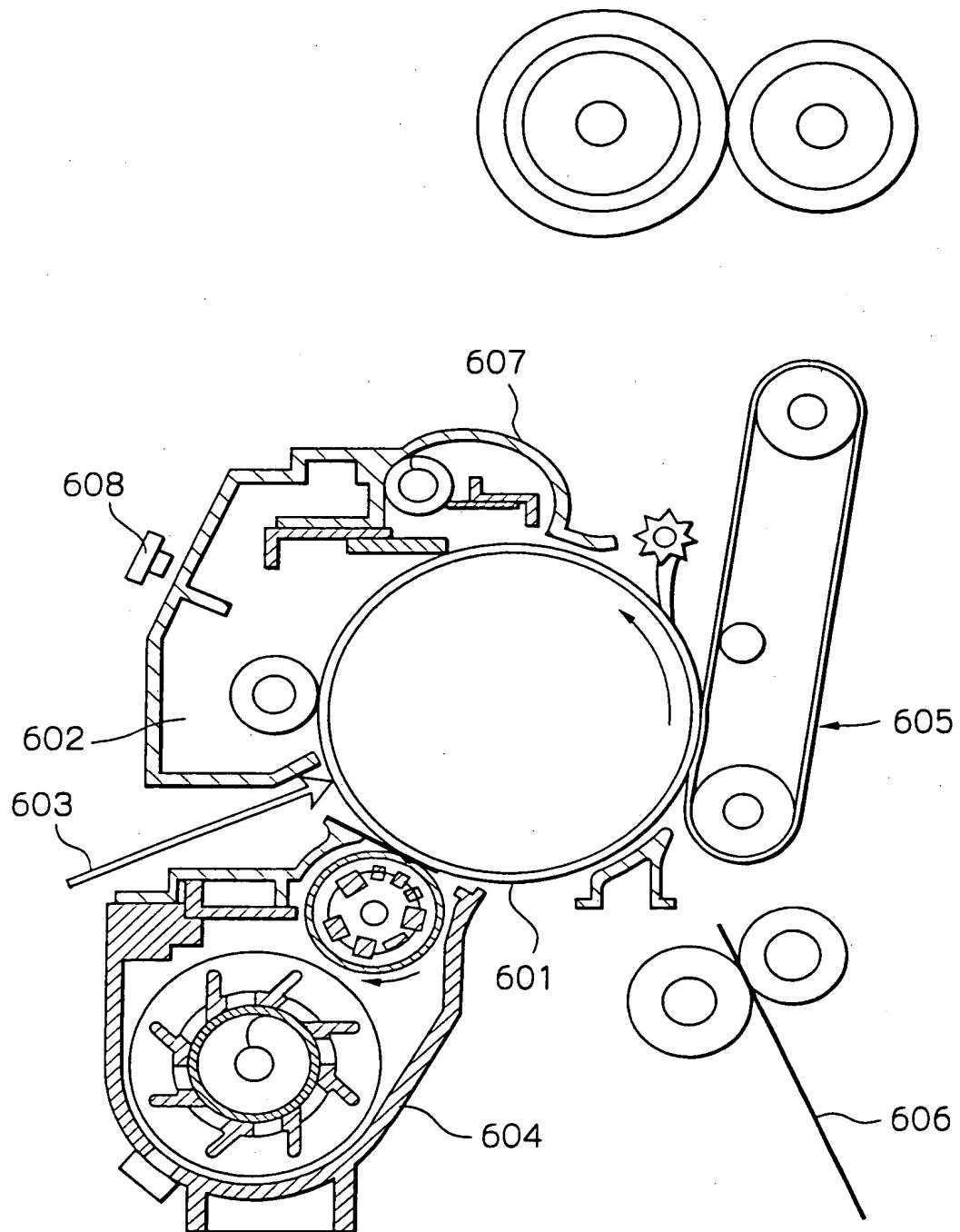




Fig. 9



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*Fig. 10*

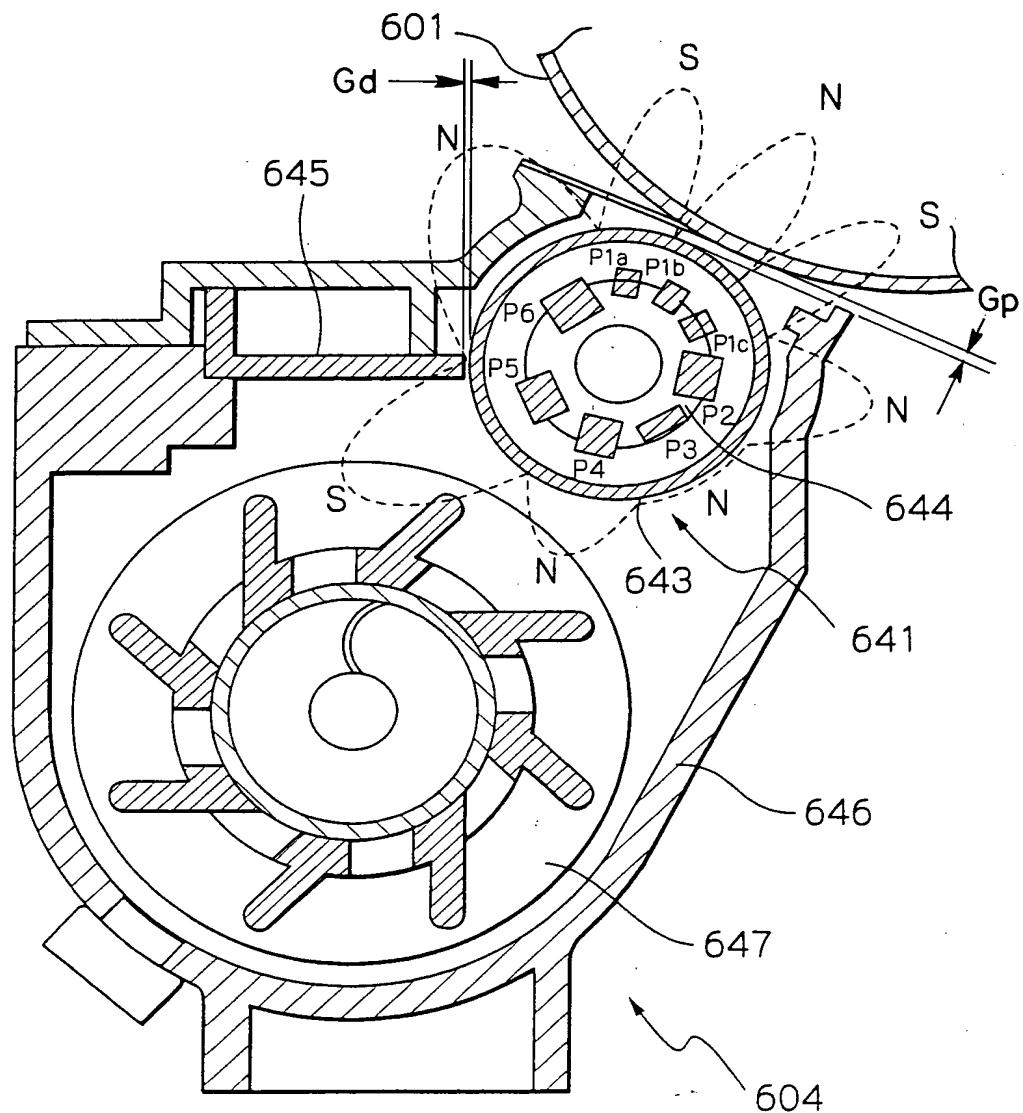




Fig. 11

No.	1	2	3	4	5	6	7	8	9	10
COPIER	MONOCHROMATIC COPIER									
SLEEVE VELOCITY/ DRUM VELOCITY	2.5	2.5							1.3	
DRUM DIAMETER (mm)	30	60						90		
SLEEVE DIAMETER (mm)	16	20						30		
DEVELOPMENT GAP (mm)		0.4					0.4			0.35
NIP (mm)	4	1.5	4	2	7	7	4	4	1.5	1.5
DISTANCE AT NIP BOUNDARY (mm)	0.79	0.45	0.67	0.47	0.95	0.95	0.58	0.58	0.42	0.42
BOUNDARY DISTANCE/ NIP DISTANCE	1.67	1.17	2.38	1.45	1.97	1.97	1.13	1.13	1.2	1.2
BIAS	DC -600V ONLY				※1	※2	※1	※2	※1	※2
OMISSION RANK	2.5	4.5	2.5	4.5	3	3	4.5	4.5	4.5	4.5
GRANULARITY RANK	2	2	2	2	3	2	4.5	2	4.5	2

※1 DC+AC, f5kHz, DUTY 25%, OFFSET VOLTAGE -700V, PEAK VOLTAGE 800V  
 ※2 DC-500V ONLY



*Fig. 12*

FREQUENCY(kHz)	GRANULARITY RANK
0	2
0.5	3
1	3.75
2	4
2.25	4
2.5	4.25
3	4.5
3.5	4.5
4	4.75
4.5	4.5
5	4.5
5.5	4.5
6	4.5
7	4.5
9	4.5

*Fig. 13*

DUTY (%)	GRANULARITY RANK
10	4.75
15	4.75
20	4.75
25	4.75
30	4.75
35	4.75
40	4.75
45	4.25
50	4
60	3.5

Fig. 14

Gp[mm]	Gd[mm]	Gp/Gd	BIAS: DC-500V		BIAS: AC	GRANULARITY RANK	OMISSION RANK	GRANULARITY RANK	OMISSION RANK
			GRANULARITY RANK	OMISSION RANK					
0.35	0.75	0.466667	1.5	4		4.5		4.5	
0.43	0.83	0.518072	1.5	4		4.5		4.5	
0.35	0.63	0.555556	1.5	4		4		4	
0.43	0.75	0.573333	1.5	4		4		4	
0.5	0.83	0.60241	1.5	4		4		4	
0.5	0.75	0.666667	1.5	4		4		4	
0.35	0.52	0.673077	1	4		3.5		3.5	
0.43	0.63	0.68254	1	4		3.5		3.5	
0.43	0.52	0.826923	1	4		3		3	
0.6	0.52	1.153846	1	4		2		2	





Fig. 15

Gp[mm]	Gd[mm]	Gp/Gd	BIAS: DC-500V		BIAS: AC		f4.5kHz Vpp 800V DUTY 50%	
			GRANULARITY RANK	OMISSION RANK	GRANULARITY RANK	OMISSION RANK	GRANULARITY RANK	OMISSION RANK
0.35	0.75	0.466667	1	2	3.5	2		
0.35	0.64	0.546875	1	2	3.5	2		
0.4	0.64	0.625	1	2	3.5	2		
0.45	0.56	0.803571	1	2	3.5	2		
0.5	0.56	0.892857	1	2.5	3.5	2.5		
0.6	0.85	0.705882	1	2.75	2	2.75		
0.6	0.91	0.659341	1	2.75	2	2.75		



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Fig. 16

Gp[mm]	$\rho$ [g/cm <sup>2</sup> ]	Gp/ $\rho$	BIAS: DC-500V		BIAS: AC	f4.5kHz Vpp 800V DUTY 50%	
			GRANULARITY RANK	OMISSION RANK		GRANULARITY RANK	OMISSION RANK
0.35	0.065	5.384615	1.5	4	4.5	4	4
0.43	0.08	5.375	1.5	4	4.5	4	4
0.35	0.05	7	1.5	4	4	4	4
0.43	0.065	6.615385	1.5	4	4	4	4
0.5	0.08	6.25	1.5	4	4	4	4
0.5	0.065	7.692308	1.5	4	4	4	4
0.35	0.035	10	1	4	3.5	4	4
0.43	0.05	8.6	1	4	3.5	4	4
0.43	0.036	11.94444	1	4	3	4	4
0.6	0.035	17.14286	1	4	2	4	4

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Fig. 17

Gp[mm]	$\rho$ [g/cm <sup>2</sup> ]	Gp/ $\rho$	BIAS: DC-500V		BIAS: AC	GRANULARITY RANK	OMISSION RANK	OMISSION RANK
			GRANULARITY RANK	OMISSION RANK				
0.35	0.065	5.384615	1	2		3.5		2
0.35	0.05	7	1	2		3.5		2
0.4	0.05	8	1	2		3.5		2
0.45	0.04	11.25	1	2		3.5		2
0.5	0.04	12.5	1		2.5	3.5		2.5
0.6	0.076	7.894737	1		2.75	2		2.75
0.6	0.085	7.058824	1		2.75	2		2.75